

	ATGAAATTTA	GTAAAAAATA	TATAGCAGCT	GGATCAGCTG	TTATCGTATC	CTTGAGTCTA	60
	TGTGCCTATG	CACTAAACCA	GCATCGTTTC	CAGGAAAAAT	AGGACAATAA	TCGTGTCTCT	120
	TATGTGGATG	GCAGCCAGTC	AAGTCAGAAA	AGTGAAACT	TGACACCAGA	CCAGGTTAGC	180
	CAGAAAAGAAG	GAATTCAGGC	TGAGCAAATT	GTAATCAAAA	TTACAGATCA	GGCCTATGTA	240
5	ACGTCACACG	GTGACCACTA	TCATTACTAT	AATGGGAAAG	TTCCCTTATGA	TGCCCTCTTT	300
	AGTGAAGAAC	TCTTGATGAA	GGATCCAAAC	TATCAACTTA	AAGACGCTGA	TATTGTCAAT	360
	GAAGTCAAGG	GTGGTTATAT	CATCAAGGTC	GATGGAAAAT	ATTATGTCTA	CCTGAAAGAT	420
	GCAGCTCATG	CTGATAATGT	TCGAACTAAA	GATGAAATCA	ATCGTCAAAA	ACAAGAACAT	480
	GTCAAAGATA	ATGAGAAGGT	TAACCTCTAAT	GTTGCTGTAG	CAAGGTCTCA	GGGACGATAT	540
10	ACGACAAATG	ATGGTTATGT	CTTTAATCCA	GCTGATATTA	TCGAAGATAC	GGGTAATGCT	600
	TATATCGTTC	CTCATGGAGG	TCACCTATCAC	TACATTCCCA	AAAGCGATTT	ATCTGCTAGT	660
	GAATTAGCAG	CAGCTAAAGC	ACATCTGGCT	GGAAAAATA	TGCAACCGAG	TCAGTTAAGC	720
	TATTCTTCAA	CAGCTAGTGA	CAATAACACG	CAATCTGTAG	CAAAAGGATC	AACTAGCAAG	780
	CCAGCAAATA	AATCTGAAAA	TCTCCAGAGT	CTTTTGAAGG	AACTCTATGA	TTCACCTAGC	840
15	GCCCAACGTT	ACAGTGAATC	AGATGGCCTG	GTCTTTGACC	CTGCTAAGAT	TATCAGTCGT	900
	ACACCAAATG	GAGTTGCGAT	TCCGCATGGC	GACCATTACC	ACTTTATTCC	TTACAGCAAG	960
	CTTTCTGCTT	TAGAAGAAAA	GATTGCCAGA	ATGGTGCCTA	TCAGTGGAAC	TGGTCTTACA	1020
	GTTTCTACAA	ATGCAAAACC	TAATGAAGTA	GTGTCTAGTC	TAGGCAGTCT	TTCAAGCAAT	1080
	CCTTCTTCTT	TAACGACAAG	TAAGGAGCTC	TCTTCAGCAT	CTGATGGTTA	TATTTTAAAT	1140
20	CCAAAAGATA	TCGTTGAAGA	AACGGCTACA	GCTTATATTG	TAAGACATGG	TGATCATTTT	1200
	CATTACATTC	CAAAATCAAA	TCAAATTGGG	CAACCGACTC	TTCCAAACAA	TAGTCTAGCA	1260
	ACACCTTCTC	CATCTCTTCC	AATCAATCCA	GGAACCTCAC	ATGAGAAACA	TGAAGAAGAT	1320
	GGATACGGAT	TTGATGCTAA	TCGTATTATC	GCTGAAGATG	AATCAGGTTT	TGTCATGAGT	1380
	CACGGAGACC	ACAATCATTA	TTCTTCAAG	AAGGACTTGA	CAGAAGAGCA	AATTAAGGCT	1440
	GCGCAAAAAC	ATTTAGAGGA	AGTTAAAAC	AGTCATAATG	GATTAGATTC	TTTGTCATCT	1500
	CATGAACAGG	ATTATCCAGG	TAATGCCAAA	GAAATGAAAG	ATTTAGATAA	AAAAATCGAA	1560
	GAAAAAATTG	CTGGCATTAT	GAAACAATAT	GGTGTCAAAC	GTGAAAGTAT	TGTCGTGAAT	1620
	AAAGAAAAAA	ATGCGATTAT	TTATCCGCAT	GGAGATCACC	ATCATGCAGA	TCCGATTGAT	1680
	GAACATAAAC	CGGTTGGAAT	TGGTCATTCT	CACAGTAACT	ATGAACTGTT	TAAACCCGAA	1740
25	GAAGGAGTTG	CTAAAAAAGA	AGGGAATAAA	GTTTATACTG	GAGAAGAATT	AACGAATGTT	1800
	GTTAATTTGT	TAAAAAATAG	TACGTTTAAT	AATCAAAACT	TTACTCTAGC	CAATGGTCAA	1860
	AAACGCGTTT	CTTTTAGTTT	TCCGCCTGAA	TTGGAGAAAA	AATTAGGTAT	CAATATGCTA	1920
	GTAAATTTAA	TAACACCAGA	TGGAAAAAGTA	TTGGAGAAAG	TATCTGGTAA	AGTATTTGGA	1980
	GAAGGAGTAG	GGAATATTGC	AAACTTTGAA	TTAGATCAAC	CTTATTTACC	AGGACAAACA	2040
35	TTTAAGTATA	CTATCGCTTC	AAAAGATTAT	CCAGAAGTAA	GTTATGATGG	TACATTTACA	2100
	GTTCCAACCT	CTTTAGCTTA	CAAAATGGCC	AGTCAAACGA	TTTCTATCC	TTTCCATGCA	2160
	GGGGATACTT	ATTTAAGAGT	GAACCCCTCA	TTTGCACTGC	CTAAAGGAAC	TGATGCTTTA	2220
	GTCAGAGTGT	TTGATGAATT	TCATGGAAAT	GCTTATTTAG	AAAATAACTA	TAAAGTTGGT	2280
	GAAATCAAAT	TACCGATTCC	GAAATTAAC	CAAGGAACAA	CCAGAACGGC	CGGAAATAAA	2340
40	ATTCCTGTAA	CCTTCATGGC	AAATGCTTAT	TTGGACAATC	AATCGACTTA	TATTGTGGAA	2400
	GTACCTATCT	TGGAAAAAGA	AAATCAAACT	GATAAACCAA	GTATCTACC	ACAATTTAAA	2460
	AGGAATAAAG	CACAAGAAAA	CTCAAACTT	GATGAAAAGG	TAGAAGAAC	AAAGACTAGT	2520
	GAGAAGGTAG	AAAAAGAAAA	ACTTTCTGAA	ACTGGGAATA	GTACTAGTAA	TTCAACGTTA	2580
	GAAGAAGTTC	CTACAGTGGA	TCCTGTACAA	GAAAAAGTAG	CAAAATTTGC	TGAAAGTTAT	2640
45	GGGATGAAGC	TAGAAAATGT	CTGTGTTAAT	ATGGACGGAA	CAATTGAATT	ATATTTACCA	2700

	TCAGGAGAAG	TCATTAAAAA	GAATATGGCA	GATTTTACAG	GAGAAGCACC	TCAAGGAAAT	2760
	GGTGAAAATA	AACCATCTGA	AAATGGAAAA	GTATCTACTG	GAACAGTTGA	GAACCAACCA	2820
	ACAGAAAATA	AACCAGCAGA	TTCTTTACCA	GAGGCACCAA	ACGAAAAACC	TGTAAAACCA	2880
	GAAAACTCAA	CGGATAATGG	AATGTTGAAT	CCAGAAGGGA	ATGTGGGGAG	TGACCCTATG	2940
5	TTAGATCCAG	CATTAGAGGA	AGCTCCAGCA	GTAGATCCTG	TACAAGAAAA	ATTAGAAAAA	3000
	TTTACAGCTA	GTTACGGATT	AGGCTTAGAT	AGTCTTATAT	TCAATATGGA	TGGAACGATT	3060
	GAATTAAGAT	TGCCAAGTGG	AGAAGTGATA	AAAAAGAATT	TATCTGATTT	CATAGCGTAA	3120

(SEQ ID NO: 1)

FIGURE 1

10

	AATTCCTTGT	CGGGTAAGTT	CCGACCCGCA	CGAAAGGCGT	AATGATTTGG	GCACTGTCTC	60
	AACGAGAGAC	TCGGTGAAAT	TTTAGTACCT	GTGAAGATGC	AGGTTACCCG	CGACAGGACG	120
	GAAAGACCCC	ATGGAGCTTT	ACTGCAGTTT	GATATTGAGT	GTCTGTACCA	CATGTACAGG	180
15	ATAGGTAGGA	GTCTAAGAGA	TCGGGACGCC	AGTTTCGAAG	GAGACGCTGT	TGGGATACTA	240
	CCCTTGTTG	ATGGCCACTC	TAACCCAGAT	AGGTGATCCC	TATCGGAGAC	AGTGTCTGAC	300
	GGGCAGTTTG	ACTGGGGCGG	TCGCCCTCCTA	AAAGGTAACG	GAGGCGCCCA	AAGGTTCCCT	360
	CAGAATGGTT	GGAAATCATT	CGCAGAGTGT	AAAGGTATAA	GGGAGCTTGA	CTGCGAGAGC	420
	TACAACTCGA	GCAGGGACGA	AAGTCGGGCT	TAGTGATCCG	GTGGTTCCGT	ATGGAAGGGC	480
20	CATCGCTCAA	CGGATAAAAG	CTACCCTGGG	GATAACAGGC	TTATCTCCCC	CAAGAGTTCA	540
	CATCCACGGG	GAGGTTTGGC	ACCTCGATGT	CGGCTCGTCG	CATCCTGGGG	CTGTAGTCGG	600
	TCCCAAGGGT	TGGGCTGTTC	GCCCATTAATA	GCGGCACGCG	AGCTGGGTTC	AGAACGTCGT	660
	GAGACAGTTC	GGTCCCTATC	CGTCGCGGGC	GTAGGAAATY	TGAGAGGATC	TGCTCCTAGT	720
	ACGAGAGGAC	CAGAGTGGAC	TTACCGCTGG	TGTACCAGTT	GTCTTGCCAA	AGGCATCGCT	780
25	GGGTAGCTAT	GTAGGGAAGG	GATAAACGCT	GAAAGCATCT	AAGTGTGAAA	CCCACCTCAA	840
	GATGAGATTT	CCCATGATTA	TATATCAGTA	AGAGCCCTGA	GAGATGATCA	GGTAGATAGG	900
	TTAGAAGTGG	AAGTGTGCCG	ACACATGTAG	CGGACTAATA	CTAATAGCTC	GAGGACTTAT	960
	CCAAAGTAAC	TGAGAATATG	AAAGCGAACG	GTTTTCTTAA	ATTGAATAGA	TATTCAATTT	1020
	TGAGTAGGTA	TTACTCAGAG	TTAAGTGACG	ATAGCCTAGG	AGATACACCT	GTACCCATGC	1080
30	CGAACACAGA	AGTTAAGCCC	TAGAACGCCG	GAAGTAGTTG	GGGGTTGCCC	CCTGTGAGAT	1140
	AGGGAAGTCC	CTTAGCTCTA	GGGAGTTTAG	CTCAGCTGGG	AGAGCATCTG	CCTTACAAGC	1200
	AGAGGGTCAG	CGGTTTCGATC	CCGTAACTC	CCAAAGGTCC	CGTAGTGTAG	CGGTTATCAC	1260
	GTCGCCCTGT	CACGGCGAAG	ATCGCGGGTT	CGATTCCCGT	CGGGACCGTT	TAAGGTAACG	1320
	CAAGTTATTT	TAGACTCGTT	AGCTCAGTTG	GTAGAGCAAT	TGACTTTTAA	TCAATGGGTC	1380
35	ACTGGTTTGA	GCCCAGTACG	GGTCATATAT	GCGGGTTTGG	CGGAATTCTA	ATCTCTTTGA	1440
	AATCATCTTC	TCTCACTTTC	CAAAACTCTA	TTACCTCTTA	TTATACCACA	TTTCAATCTT	1500
	CAACTTCCCA	GTAATATAAG	CACCTCTGGC	GAAAGAAGTT	TCAATGTCCT	AAAGTAATAA	1560
	GTGAATCCAA	TTCAGGAACT	CCAAGAACAA	AAGAAACATC	TGGTGTACAA	AGTATTGGAT	1620
	GGCACAGAGT	CACGTGGTAG	TCTGACCCTA	GCAGAAATTT	TAAATAGTAA	ACTATTTACT	1680
40	GGTTAATTAA	ATGGTTAAAT	AACCGGTTTA	GAAAACTATT	TAATAAAGTA	AAAGAAGTTG	1740
	AGAAAAAACT	TCATCATTTA	TTGAAATGAG	GGATTATATG	AATTTAGTAA	AAAATATATA	1800
	GCAGCTGGAT	CAGCTGTTAT	CGTATCCTTG	AGTCTATGTG	CCTATGCACT	AAACCAGCAT	1860
	CGTTTCGAGG	AAAATAAGGA	CAATAATCGT	GTCTCTTATG	TGGATGGCAG	CCAGTCAAGT	1920
	CAGAAAAGTG	AAAACCTGAC	ACCAGACCAG	GTTAGCCAGA	AAGAAGGAAT	TCAGGCTGAG	1980
45	CAAATTGTAA	TCAPAAATAC	AGATCAGGGC	TATGTAACGT	CACACGGTGA	CCACTATCAT	2040

	TACTATAATG	GGAAAGTTCC	TTATGATGCC	CTCTTTAGTG	AAGAACTCTT	GATGAAGGAT	2100
	CCAAACTATC	AACTTAAAGA	CGCTGATATT	GTCAATGAAG	TCAAGGGTGG	TTATATCATC	2160
	AAGGTCGATG	GAAAATATTA	TGTCTACCTG	AAAGATGCAG	CTCATGCTGA	TAATGTTTGA	2220
	ACTAAAGATG	AAATCAATCG	TCAAAAACAA	GAACATGTCA	AAGATAATGA	GAAGGTTAAC	2280
5	TCTAATGTTG	CTGTAGCAAG	GTCTCAGGGA	CGATATACGA	CAAATGATGG	TTATGTCTTT	2340
	AATCCAGCTG	ATATTATCGA	AGATACGGGT	AATGCTTATA	TCGTTCTCTA	TGGAGGTCAC	2400
	TATCACTACA	TTCCCAAAAG	CGATTTATCT	GCTAGTGAAT	TAGCAGCAGC	TAAAGCACAT	2460
	CTGGCTGGAA	AAAAATATGCA	ACCGAGTCAG	TTAAGCTATT	CTTCAACAGC	TAGTGACAAT	2520
	AACACGCAAT	CTGTAGCAAA	AGGATCAACT	AGCAAGCCAG	CAAATAAATC	TGAAAATCTC	2580
10	CAGAGTCTTT	TGAAGGAACT	CTATGATTCA	CCTAGCGCCC	AACGTTACAG	TGAATCAGAT	2640
	GGCCTGGTCT	TTGACCCTGC	TAAGATTATC	AGTCGTACAC	CAAATGGAGT	TGCGATTCCG	2700
	CATGGCGACC	ATTACCACTT	TATTCCTTAC	AGCAAGCTTT	CTGCTTTAGA	AGAAAAGATT	2760
	GCCAGAATGG	TGCCTATCAG	TGGAACCTGGT	TCTACAGTTT	CTACAAATGC	AAAACCTAAT	2820
	GAAGTAGTGT	CTAGTCTAGG	CAGTCTTTCA	AGCAATCCTT	CTTCTTTAAC	GACAAGTAAG	2880
15	GAGCTCTCTT	CAGCATCTGA	TGGTTATATT	TTTAATCCAA	AAGATATCGT	TGAAGAAACG	2940
	GCTACAGCTT	ATATTGTAAG	ACATGGTGAT	CATTTCCATT	ACATTCCAAA	ATCAAATCAA	3000
	ATTGGGCAAC	CGACTCTTCC	AAACAATAGT	CTAGCAACAC	CTTCTCCATC	TCTTCCAATC	3060
	AATCCAGGAA	CTTCACATGA	GAAACATGAA	GAAGATGGAT	ACGGATTGTA	TGCTAATCGT	3120
	ATTATCGCTG	AAGATGAATC	AGGTTTTGTC	ATGAGTCACG	GAGACCACAA	TCATTATTTT	3180
20	TTCAAGAAGG	ACTTGACAGA	AGAGCAAATT	AAGGCTGCGC	AAAAACATTT	AGAGGAAGTT	3240
	AAAAC TAGTC	ATAATGGATT	AGATTCTTTG	TCATCTCATG	AACAGGATTA	TCCAGGTAAT	3300
	GCCAAAGAAA	TGAAAGATTT	AGATAAAAAA	ATCGAAGAAA	AAATTGCTGG	CATTATGAAA	3360
	CAATATGGTG	TCAAACGTGA	AAGTATTGTC	GTGAATAAAG	AAAAAAATGC	GATTATTTAT	3420
	CCGCATGGAG	ATCACCATCA	TGCAGATCCG	ATTGATGAAC	ATAAACCGGT	TGGAATTGGT	3480
25	CATTCTCACA	GTAACATATG	ACTGTTTAAA	CCCGAAGAAG	GAGTTGCTAA	AAAAGAAGGG	3540
	AATAAAGTTT	ATACTGGAGA	AGAATTAACG	AATGTTGTTA	ATTTGTTAAA	AAATAGTACG	3600
	TTTAATAATC	AAAAC TTTAC	TCTAGCCAAT	GGTCAAAAAC	GCGTTTCTTT	TAGTTTTCCG	3660
	CCTGAATTGG	AGAAAAAATT	AGGTATCAAT	ATGCTAGTAA	AATTAATAAC	ACCAGATGGA	3720
	AAAGTATTGG	AGAAAGTATC	TGGTAAAGTA	TTTGAGAGAAG	GAGTAGCGAA	TATTGCAAAC	3780
30	TTTGAATTAG	ATCAACCTTA	TTTACCAGGA	CAACATTTA	AGTATACTAT	CGCTTCAAAA	3840
	GATTATCCAG	AAGTAAGTTA	TGATGGTACA	TTTACAGTTC	CAACCTCTTT	AGCTTACAAA	3900
	ATGGCCAGTC	AAACGATTTT	CTATCCTTTC	CATGCAGGGG	ATACTTATTT	AAGAGTGAAC	3960
	CCTCAATTTG	CAGTGCC TAA	AGGAAC TGAT	GCTTTAGTCA	GAGTGTTTGA	TGAATTT CAT	4020
	GGAAATGCTT	ATTTAGAAAA	TAACTATAAA	GTTGGTGAAA	TCAAATTACC	GATTCCGAAA	4080
35	TTAAACCAAG	GAACAACCAG	AACGGCCGGA	AATAAAATTC	CTGTAACCTT	CATGGCAAAT	4140
	GCTTATTTGG	ACAATCAATC	GACTTATATT	GTGGAAGTAC	CTATCTTGGA	AAAAGAAAAT	4200
	CAAAC TAGATA	AACCAAGTAT	TCTACCACAA	TTTAAAAGGA	ATAAAGCACA	AGAAAAC TCA	4260
	AAACTTGATG	AAAAGGTAGA	AGAACC AAG	ACTAGTGAGA	AGGTAGAAAA	AGAAAAACTT	4320
	TCTGAAACTG	GGAATAGTAC	TAGTAATTCA	ACGTTAGAAG	AAGTTCCTAC	AGTGGATCCT	4380
40	GTACAAGAAA	AAGTAGCAAA	ATTTGCTGAA	AGTTATGGGA	TGAAGCTAGA	AAATGTCTTG	4440
	TTTAATATGG	ACGGAACAAT	TGAATTATAT	TTACCATCAG	GAGAAGTCAT	TAAAAAGAAT	4500
	ATGGCAGATT	TTACAGGAGA	AGCACCTCAA	GGAAATGGTG	AAAATAAACC	ATCTGAAAAAT	4560
	GGAAAAGTAT	CTACTGGAAC	AGTTGAGAAC	CAACCAACAG	AAAATAAACC	AGCAGATTCT	4620
	TTACCAGAGG	CACCAAACGA	AAAACCTGTA	AAACCAGAAA	ACTCAACGGA	TAATGGGAATG	4680
45	TTGAATCCAG	AAGGGAATGT	GGGGAGTGAC	CCTATGTTAG	ATCCAGCATT	AGAGGAAGCT	4740

	CCAGCAGTAG	ATCCTGTACA	AGAAAAATTA	GAAAAATTTA	CAGCTAGTTA	CGGATTAGGC	4800
	TTAGATAGTG	TTATATTCAA	TATGGATGGA	ACGATTGAAT	TAAGATTGCC	AAGTGGAGAA	4860
	GTGATAAAAA	AGAATTTATC	TGATTTTATA	GCGTAAGGAA	TAGCAGTAGA	AAAAGTCTGA	4920
	ATCAAAAAATG	AAGTTCCTCT	AAAAGTTAGA	AATAAACTC	TGACTTTGGG	AGAATTTTCT	4980
5	TTTATTATTA	ATATATAAAA	TTTCTTGACA	TACAACCTAA	AAAGAGGTGG	AATATTTACT	5040
	AGTTAATT	(SEQ ID NO : 2)					5048

FIGURE 2

10	ATGAAAATCA	ATAAAAATA	TCTAGCTGGG	TCAGTAGCTA	CACTTGTTTT	AAGTGTCTGT	60
	GCTTATGAAC	TAGGPTTGCA	TCAAGCTCAA	ACTGTAAAAG	AAAATAATCG	TGTTTCCTAT	120
	ATAGATGGAA	AACAAGCGAC	GCAAAAAACG	GAGAAATTGA	CTCCTGATGA	GGTTAGCAAG	180
	CGTGAAGGAA	TCAACGCCGA	ACAAATCGTC	ATCAAGATTA	CGGATCAAGG	TTATGTGACC	240
	TCTCATGGAG	ACCATTATCA	TTACTATAAT	GGCAAGGTCC	CTTATGATGC	CATCATCAGT	300
15	GAAGAGCTCC	TCATGAAAGA	TCCGAATTAT	CAGTTGAAGG	ATTCAGACAT	TGTCAATGAA	360
	ATCAAGGGTG	GTTATGTCAT	TAAGGTAAAC	GGTAAATACT	ATGTTTACCT	TAAGGATGCA	420
	GCTCATGCCG	ATAATGTCCG	TACAAAAGAA	GAARTCAATC	GGCAAAAACA	AGAACATAGT	480
	CAGCATCGTG	AAGGAGGGAC	TTCAGCAAAC	GATGGTGCCG	TAGCCTTTGC	ACGTTTACAG	540
	GGACGCTACA	CCACAGATGA	TGGTTATATC	TTCAATGCAT	CTGATATCAT	CGAAGATACG	600
20	GGCGATGCCT	ATATCGTTCC	TCATGGAGAT	CATTACCATT	ACATTCCCTAA	GAATGAGTTA	660
	TCAGCTAGCG	AGTTGGCTGC	TGCAGAAGCC	TTCTATCTTG	GTCGGGAAAA	TCTGTCAAAT	720
	TTAAGAACCT	ATCGCCGACA	AAATAGCGAT	AACACTCCAA	GAACAACTG	GGTACCTTCT	780
	GTAAGCAATC	CAGGAACTAC	AAATACTAAC	ACAAGCAACA	ACAGCAACAC	TAACAGTCAA	840
	GCAAGTCAAA	GTAATGACAT	TGATAGTCTC	TTGAAACAGC	TCTACAAACT	GCCTTTGAGT	900
25	CAACGCCATG	TAGAATCTGA	TGGCCTTATT	TTCGACCCAG	CGCAAATCAC	AAGTCGAACC	960
	GCCAGAGGTG	TAGCTGTCCC	TCATGGTAAC	CATTACCACT	TTATCCCTTA	TGAACAAATG	1020
	TCTGAATTGG	AAAAACGAAT	TGCTCGTATT	ATTCCCCTTC	GTTATCGTTC	AAACCATTGG	1080
	GTACCAGATT	CAAGACCAGA	AGAACCAAGT	CCACAACCGA	CTCCAGAACC	TAGTCCAAGT	1140
	CCGCAACCTG	CACCAAATCC	TCAACCAGCT	CCAAGCAATC	CAATTGATGA	GAAATTGGTC	1200
30	AAAGAAGCTG	TTCGAAAAGT	AGGCGATGGT	TATGTCTTTG	AGGAGAATGG	AGTTTCTCGT	1260
	TATATCCCAG	CCAAGAATCT	TTCAGCAGAA	ACAGCAGCAG	GCATTGATAG	CAAACTGGCC	1320
	AAGCAGGAAA	GTTTATCTCA	TAAGCTAGGA	GCTAAGAAAA	CTGACCTCCC	ATCTAGTGAT	1380
	CGAGAATTTT	ACAATAAGGC	TTATGACTTA	CTAGCAAGAA	TTCACCAAGA	TTTACTTGAT	1440
	AATAAAGGTC	GACAAGTTGA	TTTTGAGGCT	TTGGATAACC	TGTTGGAACG	ACTCAAGGAT	1500
35	GTCTCAAGTG	ATAAAGTCAA	GTTAGTGGAT	GATATTTCTT	CCTTCTTAGC	TCCGATTTCG	1560
	CATCCAGAAC	GTTTAGGAAA	ACCAAATGCG	CAAATTACCT	ACACTGATGA	TGAGATTCAA	1620
	GTAGCCAAGT	TGGCAGGCAA	GTACACAACA	GAAGACGGTT	ATATCTTTGA	TCCTCGTGAT	1680
	ATAACCAGTG	ATGAGGGGGA	TGCCTATGTA	ACTCCACATA	TGACCCATAG	CCACTGGATT	1740
	AAAAAAGATA	GTTTGTCTGA	AGCTGAGAGA	GCGGCAGCCC	AGGCTTATGC	TAAAGAGAAA	1800
40	GGTTTGACCC	CTCCTTCGAC	AGACCATCAG	GATTCAGGAA	ATACTGAGGC	AAAAGGAGCA	1860
	GAAGCTATCT	ACAACCGCGT	GAAAGCAGCT	AAGAAGGTGC	CACTTGATCG	TATGCCTTAC	1920
	AATCTTCAAT	ATACTGTAGA	AGTCAAAAAC	GGTAGTTTAA	TCATACCTCA	TTATGACCAT	1980
	TACCATAACA	TCAAATTTGA	GTGGTTTGAC	GAAGGCCTTT	ATGAGGCACC	TAAGGGGTAT	2040
	ACTCTTGAGG	ATCTTTTGGC	GACTGTCAAG	TACTATGTCT	AACATCCAAA	CGAACGTCCG	2100
45	CATTCAAGATA	ATGGTTTGG	TAACGCTAGC	GACCATGTTT	AAAGAAACAA	AAATGGTCAA	2160

	GCTGATACCA	ATCAAACGGA	AAAACCAAGC	GAGGAGAAAC	CTCAGACAGA	AAAACCTGAG	2220
	GAAGAAACCC	CTCGAGAAGA	GAAACCACAA	AGCGAGAAAC	CAGAGTCTCC	AAAACCAACA	2280
	GAGGAACCG	AAGAAGAATC	ACCAGAGGAA	TCAGAAGAAC	CTCAGGTCGA	GACTGAAAAG	2340
	GTTGAAGAAA	AACTGAGAGA	GGCTGAAGAT	TTACTTGGAA	AAATCCAGGA	TCCAATTATC	2400
5	AAGTCCAATG	CCAAAGAGAC	TCTCACAGGA	TTAAAAATA	ATTTACTATT	TGGCACCCAG	2460
	GACAACAATA	CTATTATGGC	AGAAGCTGAA	AAACTATTGG	CTTTATTAAA	GGAGAGTAAG	2520
	TAA (SEQ ID NO: 3)						2523

FIGURE 3

10	CAGAGATCTT	AGTGAATCAA	ATATACTTAA	GAAAAGAGGA	AAGAATGAAA	ATCAATAAAA	60
	AATATCTAGC	TGGGTCAGTA	GCTACACTTG	TTTTAAGTGT	CTGTGCTTAT	GAAGTAGGTT	120
	TGCATCAAGC	TCAAACCTGTA	AAAGAAAATA	ATCGTGTTC	CTATATAGAT	GGAAAACAAG	180
	CGACGCAAAA	AACGGAGAAT	TTGACTCCTG	ATGAGGTTAG	CAAGCGTGAA	GGAATCAACG	240
15	CCGAACAAAT	CGTCATCAAG	ATTACGGATC	AAGGTTATGT	GACCTCTCAT	GGAGACCATT	300
	ATCATTACTA	TAATGGCAAG	GTCCCTTATG	ATGCCATCAT	CAGTGAAGAG	CTCCTCATGA	360
	AAGATCCGAA	TTATCAGTTG	AAGGATTCAG	ACATTGTCAA	TGAAATCAAG	GGTGGTTATG	420
	TCATTAAGGT	AAACGGTAAA	TACTATGTTT	ACCTTAAGGA	TGCAGCTCAT	GCGGATAATG	480
	TCCGTACAAA	AGAAGAAATC	AATCGGCAAA	AACAAGAACA	TAGTCAGCAT	CGTGAAGGAG	540
20	GGACTTCAGC	AAACGATGGT	GCGGTAGCCT	TTGCACGTTT	ACAGGGACGC	TACACCACAG	600
	ATGATGGTTA	TATCTTCAAT	GCATCTGATA	TCATCGAAGA	TACGGGCGAT	GCCTATATCG	660
	TTCTCATGG	AGATCATTAC	CATTACATTC	CTAAGAATGA	GTTATCAGCT	AGCGAGTTGG	720
	CTGCTGCAGA	AGCCTTCCTA	TCTGGTCGGG	AAAATCTGTC	AAATTTAAGA	ACCTATCGCC	780
	GACAAAATAG	CGATAACACT	CCAAGAACAA	ACTGGGTACC	TTCTGTAAGC	AATCCAGGAA	840
25	CTACAAATAC	TAACACAAGC	AACAACAGCA	ACACTAACAG	TCAAGCAAGT	CAAAGTAATG	900
	ACATTGATAG	TCTCTTGAAA	CAGCTCTACA	AACTGCCTTT	GAGTCAACGC	CATGTAGAAT	960
	CTGATGGCCT	TATTTTTCGAC	CCAGCGCAAA	TCACAAGTCG	AACCGCCAGA	GGTGTAGCTG	1020
	TCCCTCATGG	TAACCATTAC	CACTTTATCC	CTTATGAACA	AATGCTTGAA	TTGGAAAAAC	1080
	GAATGCTCG	TATTATTCCC	CTTCGTTATC	GTTCAAACCA	TTGGGTACCA	GATTCAAGAC	1140
30	CAGAAGAAC	AAGTCCACAA	CCGACTCCAG	AACCTAGTCC	AAGTCCGCAA	CCTGCACCAA	1200
	ATCCTCAACC	AGCTCCAAGC	AATCCAATTG	ATGAGAAATT	GGTCAAAGAA	GCTGTTTCGAA	1260
	AAGTAGGCGA	TGGTTATGTC	TTTGAGGAGA	ATGGAGTTTC	TCGTTATATC	CCAGCCAAGA	1320
	ATCTTTCAGC	AGAAACAGCA	GCAGGCATTG	ATAGCAAAC	GGCCAAGCAG	GAAAGTTTAT	1380
	CTCATAAGCT	AGGAGCTAAG	AAAACGACC	TCCCATCTAG	TGATCGAGAA	TTTTACAATA	1440
35	AGGCTTATGA	CTTACTAGCA	AGAATTCACC	AAGATTTACT	TGATAATAAA	GGTCGACAAG	1500
	TTGATTTTGA	GGCTTTGGAT	AACCTGTTGG	AACGACTCAA	GGATGTCTCA	AGTGATAAAG	1560
	TCAAGTTAGT	GGATGATATT	CTTGCCCTTC	TAGCTCCGAT	TCGTCATCCA	GAACGTTTAG	1620
	GAAAACCAAA	TGCGCAAATT	ACCTACACTG	ATGATGAGAT	TCAAGTAGCC	AAGTTGGCAG	1680
	GCAAGTACAC	AACAGAAGAC	GGTTATATCT	TTGATCCTCG	TGATATAACC	AGTGATGAGG	1740
40	GGGATGCCTA	TGTAACCTCA	CATATGACCC	ATAGCCACTG	GATTAAAAAA	GATAGTTTGT	1800
	CTGAAGCTGA	GAGAGCGGCA	GCCCAGGCTT	ATGCTAAAGA	GAAAGGTTTG	ACCCCTCCTT	1860
	CGACAGACCA	TCAGGATTCA	GGAAATACTG	AGGCAAAAGG	AGCAGAAGCT	ATCTACAACC	1920
	GCGTGAAAGC	AGCTAAGAAG	GTGCCACTTG	ATCGTATGCC	TTACAATCTT	CAATATACTG	1980
	TAGAAGTCAA	AAACGGTAGT	TTAATCATAC	CTCATTATGA	CCATTACCAT	AACATCAAAT	2040
45	TTGAGTGGTT	TGACGAAGGC	CTTTATGAGG	CACCTAAGGG	GTATACTCTT	GAGGATCTTT	2100

	TGGCGACTGT	CAAGTACTAT	GTCGAACATC	CAAACGAACG	TCCGCATTCA	GATAATGGTT	2160
	TTGGTAACGC	TAGCGACCAT	GTTCAAAGAA	ACAAAAATGG	TCAAGCTGAT	ACCAATCAAA	2220
	CGGAAAAACC	AAGCGAGGAG	AAACCTCAGA	CAGAAAAACC	TGAGGAAGAA	ACCCCTCGAG	2280
	AAGAGAAACC	ACAAAGCGAG	AAACCAGAGT	CTCCAAAACC	AACAGAGGAA	CCAGAAGAAG	2340
5	AATCACCAGA	GGAAATCAGAA	GAACCTCAGG	TCGAGACTGA	AAAGGTTGAA	GAAAAACTGA	2400
	GAGAGGCTGA	AGATTTACTT	GGAAAAATCC	AGGATCCAAT	TATCAAGTCC	AATGCCAAAG	2460
	AGACTCTCAC	AGGATTAAAA	AATAATTTAC	TATTTGGCAC	CCAGGACAAC	AATACTATTA	2520
	TGGCAGAAGC	TGAAAAACTA	TTGGCTTTAT	TAAAGGAGAG	TAAGTAAAGG	TAGCAGCATT	2580
	TTCTAACTCC	TAAAAACAGG	ATAGGAGAAC	GGGAAAACGA	AAAATGAGAG	CAGAATGTGA	2640
10	GTTCTAG	(SED ID NO : 4)					2647

FIGURE 4

	GGGTCTTAAA	ACTCTGAATC	CTTTAGAGGC	AGACCCACAA	AATGACAAGA	CCTATTTAGA	60
15	AAATCTGGAA	GAAAATATGA	GTGTTCTAGC	AGAAGAATTA	AAGTGAGGAA	AGAATGAAA	120
	TCAATAAAAA	ATATCTAGCA	GGTTCAGTGG	CAGTCCTTGC	CCTAAGTGTT	TGTTCCCTATG	180
	AACCTGGTCG	TCACCAAGCT	GGTCAGGTTA	AGAAAGAGTC	TAATCGAGTT	TCTTATATAG	240
	ATGGTGATCA	GGCTGGTCAA	AAGGCAGAAA	ATTTGACACC	AGATGAAGTC	AGTAAGAGAG	300
	AGGGGATCAA	CGCCGAACAA	ATTGTTATCA	AGATTACGGA	TCAAGGTTAT	GTGACCTCTC	360
20	ATGGAGACCA	TTATCATTAC	TATAATGGCA	AGGTTCCCTA	TGATGCCATC	ATCAGTGAAG	420
	AACCTTCTCAT	GAAAGATCCC	AATTATCAGT	TGAAGGATTC	AGACATTGTC	AATGAAATCA	480
	AGGGTGGCTA	TGTGATTAAG	GTAGACGGAA	AATACTATGT	TTACCTTAAA	GATGCGGCCC	540
	ATGCGGACAA	TATTCGGACA	AAAGAAGAGA	TTAAACGTCA	GAAGCAGGAA	CACAGTCATA	600
	ATCATAACTC	AAGAGCAGAT	AATGCTGTTG	CTGCAGCCAG	AGCCCAAGGA	CGTTATACAA	660
25	CGGATGATGG	GTATATCTTC	AATGCATCTG	ATATCATTTA	GGACACGGGT	GATGCTTATA	720
	TCGTTCCCTCA	CGGCGACCAT	TACCATTACA	TTCCTAAGAA	TGAGTTATCA	GCTAGCGAGT	780
	TAGCTGCTGC	AGAAGCCTAT	TGGAATGGGA	AGCAGGGATC	TCGTCCTTCT	TCAAGTTCTA	840
	GTTATAATGC	AAATCCAGTT	CAACCAAGAT	TGTCAGAGAA	CCACAATCTG	ACTGTCACTC	900
	CAACTTATCA	TCAAAATCAA	GGGGAAAACA	TTTCAAGCCT	TTTACGTGAA	TTGTATGCTA	960
30	AACCCTTATC	AGAACGCCAT	GTAGAATCTG	ATGGCCTTAT	TTTCGACCCA	GCGCAAATCA	1020
	CAAGTCGAAC	CGCCAGAGGT	GTAGCTGTCC	CTCATGGTAA	CCATTACCAC	TTTATCCCTT	1080
	ATGAACAAAT	GTCTGAATTG	GAAAAACGAA	TTGCTCGTAT	TATTTCCCTT	CGTTATCGTT	1140
	CAAACCATTG	GGTACCAGAT	TCAAGACCAG	AACAACCAAG	TCCACAATCG	ACTCCGGAAC	1200
	CTAGTCCAAG	TCTGCAACCT	GCACCAAATC	CTCAACCAGC	TCCAAGCAAT	CCAATTGATG	1260
35	AGAAATTGGT	CAAAGAAGCT	GTTCGAAAAG	TAGGCGATGG	TTATGTCTTT	GAGGAGAATG	1320
	GAGTTTCTCG	TTATATCCCA	GCCAAGGATC	TTTCAGCAGA	AACAGCAGCA	GGCATTGATA	1380
	GCAAACCTGGC	CARGCAGGAA	AGTTTATCTC	ATAAGCTAGG	AGCTAAGAAA	ACTGACCTCC	1440
	CATCTAGTGA	TCGAGAATTT	TACAATAAGG	CTTATGACTT	ACTAGCAAGA	ATTCACCAAG	1500
	ATTTACTTGA	TAATAAAGGT	CGACAAGTTG	ATTTTGAGGT	TTTGGATAAC	CTGTTGGAAC	1560
40	GACTCAAGGA	TGTCTCAAGT	GATAAAGTCA	AGTTAGTGGA	TGATATTCTT	GCCTTCTTAG	1620
	CTCCGATTCTG	TCATCCAGAA	CGTTTAGGAA	AACCAAATGC	GCAAATTACC	TACACTGATG	1680
	ATGAGATTCA	AGTAGCCAAG	TTGGCAGGCA	AGTACACAAC	AGAAGACGGT	TATATCTTTG	1740
	ATCCTCGTGA	TATAACCAGT	GATGAGGGGG	ATGCCTATGT	AACTCCACAT	ATGACCCATA	1800
	GCCACTGGAT	TAAAAAAGAT	AGTTTGTCTG	AAGCTGAGAG	AGCGGCAGCC	CAGGCTTATG	1860
45	CTAAAGAGAA	AGGTTTGACC	CCTCCTTCGA	CAGACCACCA	GGATTTCAGGA	AATACTGAGG	1920

	CAAAAGGAGC	AGAAGCTATC	TACAACCGCG	TGAAAGCAGC	TAAGAAGGTG	CCACTTGATC	1980
	GTATGCCTTA	CAATCTTCAA	TATACTGTAG	AAGTCAAAA	CGGTAGTTTA	ATCATACCTC	2040
	ATTATGACCA	TTACCATAAC	ATCAAATTTG	AGTGGTTTGA	CGAAGGCCTT	TATGAGGCAC	2100
	CTAAGGGGTA	TAGTCTTGAG	GATCTTTTGG	CGACTGTCAA	GTACTATGTC	GAACATCCAA	2160
5	ACGAACGTCC	GCATTAGAT	AATGGTTTGG	GTAACGCTAG	TGACCATGTT	CGTAAAAATA	2220
	AGGCAGACCA	AGATAGTAAA	CCTGATGAAG	ATAAGGAACA	TGATGAAGTA	AGTGAGCCAA	2280
	CTCACCTTGA	ATCTGATGAA	AAAGAGAATC	ACGCTGGTTT	AAATCCTTCA	GCAGATAATC	2340
	TTTATAAACC	AAGCACTGAT	ACGGAAGAGA	CAGAGGAAGA	AGCTGAAGAT	ACCACAGATG	2400
	AGGCTGAAAT	TCCTCAAGTA	GAGAAITCTG	TTATTAACGC	TAAGATAGCA	GATGCGGAGG	2460
10	CCTTGCTAGA	AAAAGTAACA	GATCCTAGTA	TTAGACAAA	TGCTATGGAG	ACATTGACTG	2520
	GTCTAAAAAG	TAGTCTTCTT	CTCGGAACGA	AAGATAATAA	CACTATTTC	GCAGAAGTAG	2580
	ATAGTCTCTT	GGCTTTGTTA	AAAGAAACTC	AACCGGCTCC	TATACAGTAG	TAAAATGAA	2639

(SEQ ID NO : 5)

FIGURE 5

15

	MKFSKKYIAA	GSIVIVLSL	CAYALNQHRS	QENKDNRRVS	YVDGSQSSQK	50
	SENLTDPQVS	QKEGIAEQI	VIKITDQGYV	TSHGDHYHY	NGKVPYDALF	100
	SEELMKDPN	YQLKDADIVN	EVKGGYIIV	DGKYYVYLKD	AAHADNVRTK	150
20	DEINRQKQEH	VKDNEKVNSN	VAVARSQGRY	TTNDGYVFN	ADIIEDTGNA	200
	YIVPHGGHYH	YIPKSDLSAS	ELAAAKAHLA	GKNMQPSQLS	YSSTASDNNT	250
	QSVAKGSTSK	PANKSENLOS	LLKELYDSPS	AQRYSES DGL	VFDPAKIISR	300
	TPNGVAIPHG	DHYHFIPYSK	LSALEEKIAR	MVPISGTGST	VSTNAKPNEV	350
	VSSLGSLSSN	PSSLTTSKEL	SSASDGYIFN	PKDIVEETAT	AYIVRHGDHF	400
25	HYIPKSNQIG	QPTLPNNSLA	TPSPSLPINP	GTSHEKHEED	GYGFDANRII	450
	AEDESGFVMS	HGDHNHYFFK	KDLTEEQIKA	AQKHLEEVKT	SHNGLDSLSS	500
	HEQDYPGNAK	EMKDLDKKIE	EKIAGIMKQY	GVKRESIVVN	KEKNAIYPH	550
	GDHHHADPID	EHKPVGIGHS	HSNYELFKPE	EGVAKKEGNK	VYTGEELTNV	600
	VNLLKNSTFN	NQNFTLANGQ	KRVSFSPFPE	LEKKLGINML	VKLITPDGKV	650
30	LEKVSQGVFG	EGVGNIANFE	LDQPYLPGQT	FKYTIASKDY	PEVSYDGTFT	700
	VPTSLAYKMA	SQTIFYPFHA	GDYLRVNPQ	FAVPKGTDAL	VRVFDEFHGN	750
	AYLENNYKVG	EIKLPIPKLN	QGTTRTAGNK	IPVTFMANAY	LDNQSTYIVE	800
	VFILEKENQT	DKPSILPQFK	RNKAQENSKL	DEKVEEPKTS	EKVEKEKLSE	850
	TGNSTSNSTL	EEVPTVDPVQ	EKVAKFAESY	GMKLENVLFN	MDGTIELYLP	900
35	SGEVIKKNMA	DFTGEAPQGN	GENKPSENGK	VSTGTVENQP	TENKPADSLP	950
	EAPNEKPVKP	ENSTDNGMLN	PEGNVGSDPM	LDPALEEAPA	VDPVQEKLEK	1000
	FTASYGLGLD	SVIFNMDGTI	ELRLPSGEVI	KKNLSDFLA	(SEQ ID NO: 6)	1039

FIGURE 6

40

	MKINKKYLGA	SVATLVLSVC	AYELGLHQAQ	TVKENNRVSY	IDGKQATQKT	50
	ENLTPEDEVSK	REGINAEQIV	IKITDQGYVT	SHGDHYHYYN	GKVPYDAIIS	100
	BELLMKDPNY	QLKDSDIVNE	IKGGYVIKVN	GKYYVYLKDA	AHADNVRTKE	150
	EINRQKQEH	QHREGGTSAN	DGAVAFARSQ	GRYTTDDGYI	FNASDIIEDT	200
45	GDAYIVPHGD	HYHYIPKNEL	SASELAAAEA	FLSGRENLSN	LRTYRRQNSD	250

	NTPRTNWVPS	VSNPGTTNTN	TSNNSNTNSQ	ASQSNIDISL	LKQLYKLPLS	300
	QRHVESDGLI	FDPAQITSRT	ARGVAVPHGN	HYHFIPYEQM	SELEKRIARI	350
	IPLRYRSNHW	VPDSRPEEPS	PQPTPEBSPS	PQPAPNPQPA	PSNPIDEKLV	400
	KEAVRKVGDG	YVFEENGVS	YIPAKNLSAE	TAAGIDSKLA	KQESLSHKLK	450
5	AKKTDLPSD	REFYNKAYDL	LARIHQDLLD	NKGRQVDFEA	LDNLLERLKD	500
	VSSDKVKLVD	DILAFLAPIR	HPERLGKPN	QITYTDDDEIQ	VAKLAGKYTT	550
	EDGYIFDPRD	ITSDEGDAYV	TPHMTSHSWI	KKDSLSEAER	AAAQAYAKEK	600
	GLTPPSTDHQ	DSGNTEAKGA	EAIYNRVKAA	KKVPLDRMPY	NLQYTVEVKN	650
	GSLIIPHYDH	YHNKPEWFD	EGLYEAPKGY	TLEDLLATVK	YYVEHPNERP	700
10	HSDNGFGNAS	DHVQRNKNGQ	ADTNQTEKPS	EEKPQTEKPE	EETPREKPKQ	750
	SEKPESPKPT	EEPEEESPEE	SEEPQVETEK	VEEKLREAE	LLGKIQDPII	800
	KSNAKETLTG	LKNLLFGTQ	DNNTIMAEAE	KLLALLKESK	(SEQ ID NO: 7)	840

FIGURE 7

15	MKINKKYL	SVAVLALSVC	SYELGRHQAG	QVKKESNRVS	YIDGDQAGQK	50
	AENLTPDEV	KREGINAEQI	VIKITDQGYV	TSHGDHYHY	NGKVPYDAII	100
	SEELLMKDPN	YQLKSDIVN	EIKGGYVLKV	DGKYVYVLKD	AAHADNIRTK	150
	EETKQKQEH	SHNHNSRADN	AVAAAAAQGR	YTTDDGYIFN	ASDIETDGD	200
20	AYIVPHGDHY	HYIPKNELSA	SELAAAEAYW	NGKQGSRPSS	SSSYNANPVQ	250
	PRLSENHNL	VTPTYHQNGQ	ENISSLLREL	YAKPLSERHV	ESDGLIFDPA	300
	QITSRTARGV	AVPHGNHYHF	IPYEQMSELE	KRIARIIPLR	YRSNHWVPDS	350
	RPEQSPQST	PEPSPSLQPA	PNPQPAPSNP	IDKLVKEAV	RKVGDDGYVFE	400
	ENGVSRYIPA	KDLSAETAAG	IDSKLAKQES	LSHKLGAARKT	DLPSSDREFY	450
25	NKAYDLLARI	HQDLLDNKGR	QVDFEVLN	LERLKDVS	KVKLVDDILA	500
	FLAPIRHPER	LGKPNQITY	TDDEIQVAKL	AGKYTTEDGY	IFDPRDITSD	550
	EGDAYVTPHM	THSHWIKKDS	LSEAERAAAQ	AYAKEKGLTP	PSTDHQDSGN	600
	TEAKGAEAIY	NRVKAACKVP	LDRMPYNLOQ	TVEVKNGSLI	IPHYDHYHNI	650
	KFEWFDEGLY	EAPKGYSLD	LLATVKYYVE	HPNERPHSDN	GFGNASDHVR	700
30	KNKADQDSKP	DEKHEDEVS	EPHPESEDEK	ENHAGLNPSA	DNLYKPSTDT	750
	EETEEEAEDT	TDEAEIPQVE	NSVINAKIAD	AEALLEKVT	PSIRQAMET	800
	LTGLKSSLLL	GTKDNNTISA	EVDSLLALLK	ESQPAPIQ		838

(SEQ ID NO : 8)

FIGURE 8

35	TGTGCTATG	CACTAAACCA	GCATCGTTCG	CAGGAAAATA	AGGACAATAA	TCGTGTCTCT	60
	TATGTGGATG	GCAGCCAGTC	AAGTCAGAAA	AGTGAAACT	TGACACCAGA	CCAGGTTAGC	120
	CAGAAAGAAG	GAATTCAGGC	TGAGCAAATT	GTAATCAAAA	TTACAGATCA	GGGCTATGTA	180
40	ACGTACACG	GTGATCACTA	TCATTACTAT	AATGGGAAAG	TTCCTTATGA	TGCCCCCTTT	240
	AGTGAAGAAC	TCTTGATGAA	GGATCCAAAC	TATCAACTTA	AAGACGCTGA	TATTGTCAAT	300
	GAAGTCAAGG	GTGGTTATAT	CATCAAGGTC	GATGGAAAAT	ATTATGTCTA	CCTGAAAGAT	360
	GCAGCTCATG	CTGATAATGT	TCGAACTAAA	GATGAAATCA	ATCGTCAAAA	ACAAGAACAT	420
	GTCAAAGATA	ATGAGAAGGT	TAACCTCTAAT	GTTGCTGTAG	CAAGGTCTCA	GGGACGATAT	480
45	ACGACAAATG	ATGTTATGT	CTTTAATCCA	GCTGATATTA	TGAAGATAC	GGGTAATGCT	540



TATATCGTTC CTCATGGAGG TCACTATCAC TACATTCCCA AAAGCGATT ATCTGCTAGT 600  
 GAATTAGCAG CAGCTAAAGC ACATCTGGCT GGAAAAATA TGCAACCGAG TCAGTTAAGC 660  
 TATTCTTCAA CACCTTCTCC ATCTCTTCCA ATCAATCCAG GAAC TTCACA TGAGAAACAT 720  
 GAAGAAGATG GATACGGATT TGATGCTAAT CGTATTATCG CTGAAGATGA ATCAGGTTTT 780  
 5 GTCATGAGTC ACGGAGACCA CAATCATTAT TTCTTCAAGA AGGACTTGAC AGAAGAGCAA 840  
 ATTAAGGCTG CGCAAAAACA TTTAGAGGAA GTTAAACTA GTCATAATGG ATTAGATTCT 900  
 TTGTCATCTC ATGAACAGGA TTATCCAAGT AATGCCAAG AAATGAAAGA TTTAGATAAA 960  
 AAAATCGAAG AAAAAATTGC TGGCATTATG AAACAATATG GTGTCAAACG TGAAAGTATT 1020  
 GTCGTGAATA AAGAAAAAAA TGCGATTATT TATCCGCATG GAGATCACCA TCATGCAGAT 1080  
 10 CCGATTGATG AACATAAACC GGTGGGAATT GGTCAATCTC ACAGTAACTA TGAAGTATT 1140  
 AAACCCGAAG AAGGAGTTGC TAAAAAGAA GGAATAAAG TTTATACTGG AGAAGAATTA 1200  
 ACGAATGTTG TTAATTTGTT AAAAAATAGT ACGTTTAATA ATCAAACTT TACTCTAGCC 1260  
 AATGGTCAAA AACGCGTTTC TTTTAGTTTT CCGCCTGAAT TGCAGAAAAA ATTAGGTATC 1320  
 AATATGCTAG TAAATTAAT AACACCAGAT GGAAAGTAT TGGAGAAAGT ATCTGGTAAA 1380  
 15 GTATTTGGAG AAGGAGTAGG GAATATTGCA AACTTTGAAT TAGATCAACC TTATTTACCA 1440  
 GGACAAACAT TTAAGTATAC TATCGCTTCA AAAGATTATC CAGAAGTAAG TTATGATGGT 1500  
 ACATTTACAG TTCCAACCTC TTTAGCTTAC AAAATGGCCA GTCAAACGAT TTCTATCCT 1560  
 TTCCATGCAG GGGATACTTA TTTAAGAGTG AACCTCAAT TTGCAGTGCC TAAAGGAACT 1620  
 GATGCTTTAG TCAGAGTGTG TGATGAATTT CATGGAAATG CTTATTTAGA AAATAACTAT 1680  
 20 AAAGTTGGTG AAATCAAATT ACCGATTCCG AAATTAAACC AAGGAACAAC CAGAACGGCC 1740  
 GGAAATAAAA TTCTGTAAAC CTTCAATGCA AATGCTTATT TGGACAATCA ATCGACTTAT 1800  
 ATTGTGGAAG TACCTATCTT GGAAAAAGAA AATCAAATG ATAAACCAAG TATCTACCA 1860  
 CAATTTAAAA GGAATAAAGC ACAAGAAAAC TCAAACTTG ATGAAAAGGT AGAAGAACCA 1920  
 AAGACTAGTG AGAAGGTAGA AAAAGAAAAA CTTTCTGAAA CTGGGAATAG TACTAGTAAT 1980  
 25 TCAACGTTAG AAGAAGTTCC TACAGTGGAT CCTGTACAAG AAAAAGTAGC AAAATTGCT 2040  
 GAAAGTTATG GGATGAAGCT AGAAAATGTC TTGTTAATA TGGACGGAAC AATTGAATTA 2100  
 TATTTACCAT CGGGAGAAGT CATTAATAAG AATATGGCAG ATTTTACAGG AGAAGCACCT 2160  
 CAAGGAAATG GTGAAAATAA ACCATCTGAA AATGGAAAAG TATCTACTGG AACAGTTGAG 2220  
 AACCAACCAA CAGAAAATAA ACCAGCAGAT TCTTTACCAG AGGCACCAA CGAAAAACCT 2280  
 30 GTAAACCAG AAACTCAAC GGATAATGGA ATGTTGAATC CAGAAGGGAA TGTGGGGAGT 2340  
 GACCCTATGT TAGATTGAGC ATTAGAGGAA GCTCCAGCAG TAGATCCTGT ACAAGAAAAA 2400  
 TTAGAAAAAT TTACAGCTAG TTACGGATTA GGCTTAGATA GTGTTATATT CAATATGGAT 2460  
 GGAACGATTG AATTAAGATT GCCAAGTGGA GAAGTGATAA AAAAGAATTT ATTGATCTCA 2520  
 TAGCGTAA (SEQ ID NO : 9) 2528  
 35 FIGURE 9

CAYALNQHRS QENKDNRRVS YVDGSQSSQK SENLTPDQVS QKEGIQAEQI 50  
 VIKITDQGYV TSHGDHYHY NGKVPYDALF SEELLMKDPN YQLKDADIVN 100  
 40 EVKGGYIIKV DGKYVYLKD AAHADNVR TK DEINRQKQEH VKDNEKVNSN 150  
 VAVARSQGRY TTNDGYVFN ADIIEDTGNA YIVPHGGHYH YIPKSDLSAS 200  
 ELAAAKAHLA GKNMQPSQLS YSSTPSPSLP INPGTSHEKH EEDGYGFDAN 250  
 RIIAEDES GF VMSHGDHMHY FFKKDLTEEQ IKAQKHL EE VKTSHNGLDS 300  
 LSSHEQDYPS NAKEMKDLK KIEEKIAGIM KQYGVKRESI VVNKEKNII 350  
 45 YPHGDHHHAD PIDEHKPVGI GHSHSNYELF KPEEGVAKKE GNKVYTGEEL 400

TNVVNLLKNS	TFNNQNFTLA	NGQKRVSFSF	PPELEKKLGI	NMLVKLITPD	450
GKVLEKVSCK	VFGEVGNIA	NFELDQPYLP	GQTFKYTIAS	KDYPEVSYDG	500
TFTVPTSLAY	KMASQTIFYP	FHAGDTYLRV	NPQFAVPKGT	DALVRVFDEF	550
HGNAYLENNY	KVGEIKLPI	KLNOGTTRTA	GNKIPVTFMA	NAYLDNQSTY	600
IVEVPILEKE	NQTDKPSILP	QFKRNKAQEN	SKLDEKVEEP	KTSEKVEKEK	650
LSETGNSTSN	STLEEVPTVD	PVQEKVAKFA	ESYGMKLENV	LFNMDGTIEL	700
YLPSCGEVIK	NMADPTGEAP	QNGENKPS	NGKVSTGTVE	NQPTENKPAD	750
SLPEAPNEKP	VKPNSTDN	MLNPEGNVGS	DPMLDSALEE	APAVDFVQEK	800
LEKFTASYGL	GLDSVIFNMD	GTIELRLPSG	EVIKKNLLIS		840

(SEQ ID NO : 10)

FIGURE 10

DQGYVTSHGD HYHYNGKVP YDALFSEELL MKDPNYQLKD ADIVNEVKGG YIIKVDGKYY  
VYLKDAAHAD NVRTKDEINR QKQEHVKDNE KVNS

(SEQ ID NO: 11)

FIGURE 11

GIQAEQIVIK ITDQGYVTSH GDHYHYNGK VPDALFSEE LL

(SEQ ID NO: 12)

FIGURE 12

TAYIVRHGDH FHYIPKSNQI GQPTLPNNSL ATPSPSLPI

(SEQ ID NO: 13)

FIGURE 13

TSNSTLEEV TVDPVQEKVA KFAESYGMKL ENVLFN

(SEQ ID NO: 14)

FIGURE 14

MDGTIELRLP SGEVIKKNLS DFIA

(SEQ ID NO: 15)

FIGURE 15

YGLGLDSVIF NMDGTIELRL PSGEVIKKNL SDFIA

(SEQ ID NO: 16)

FIGURE 16

PALEEAPAVD PVQEKLEKFT ASYGLGLDSV IFNMDGTIEL RLPSGEVIKKNL SDFIA

(SEQ ID NO: 17)

FIGURE 17

KVEEPTSEK VEKEKLSETG NSTSNSTLEE VPTVDPVQEK

(SEQ ID NO: 18)

FIGURE 18

5 MKDLDDKKIEE KIAGIMKQYG VKRESIVVVK EKNATIIYPHG DHHHADPIDE HKPVGIGHSH  
SNYELFKPEE GVAKKEGN

(SEQ ID NO: 19)

FIGURE 19

10 AIIYPHGDHH HADPIDEHKP VGIGHSHSNY ELFKPEEGVA KKEGNKVYTG E

(SEQ ID NO: 20)

FIGURE 20

15 IQVAKLAGKY TTEDGYIFDP RDITSDEGD

(SEQ ID NO: 21)

FIGURE 21

DHQDSGNTEA KGAEAIYNRV KAAKKVPLDR MPYNLQYTVE VKNGSLIIPH YDHYHNIKFE

WFDEGLYEAP KGYSLEDLLA TVKYYV

(SEQ ID NO: 22)

FIGURE 22

GLYEAPKGYS LEDLLATVKY YVEHPNERPH SDNGFGNASD H

(SEQ ID NO: 23)

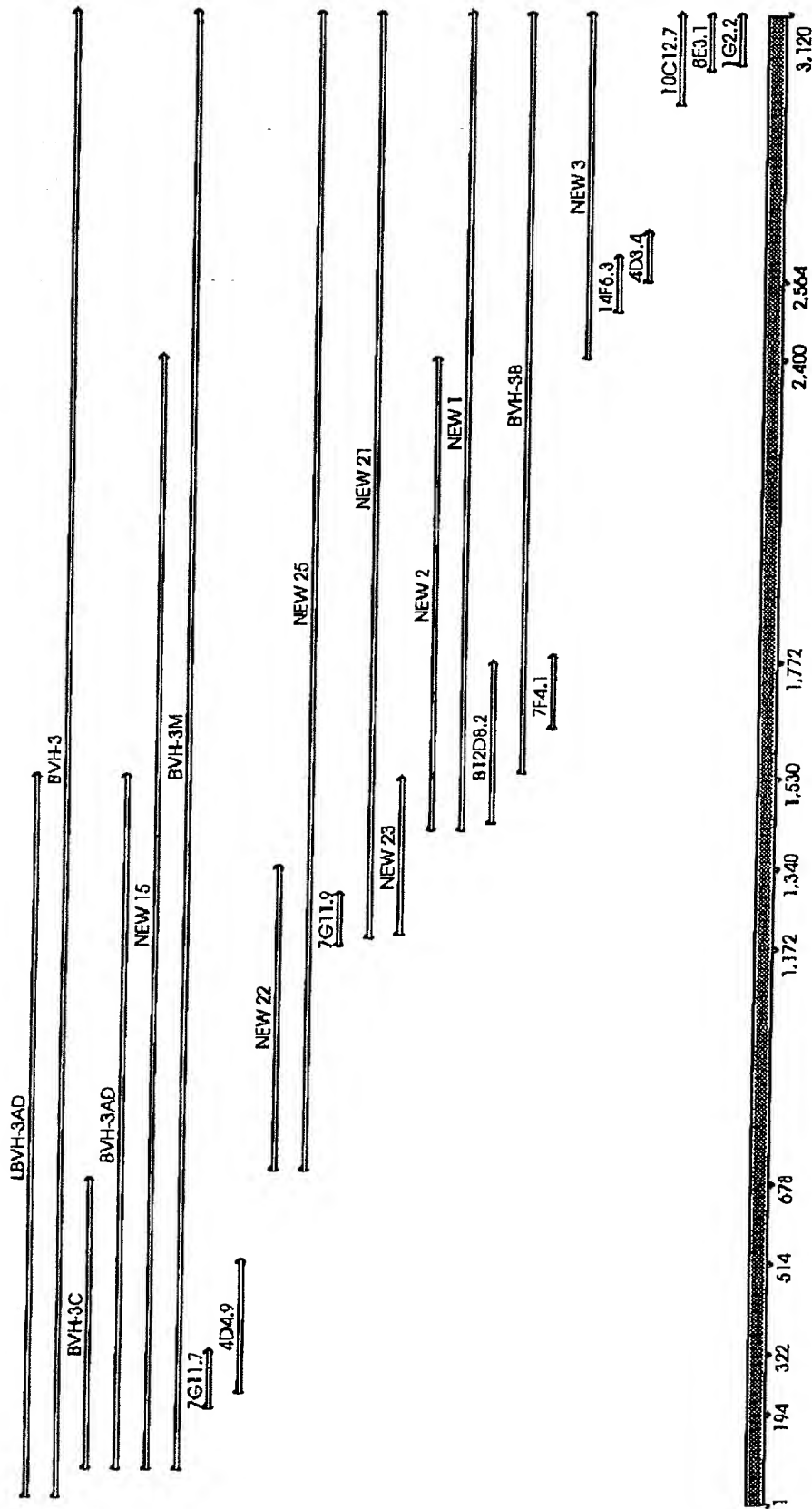
FIGURE 23

GLYEAPKGYSLEDLLATVKYYV

(SEQ ID NO: 163)

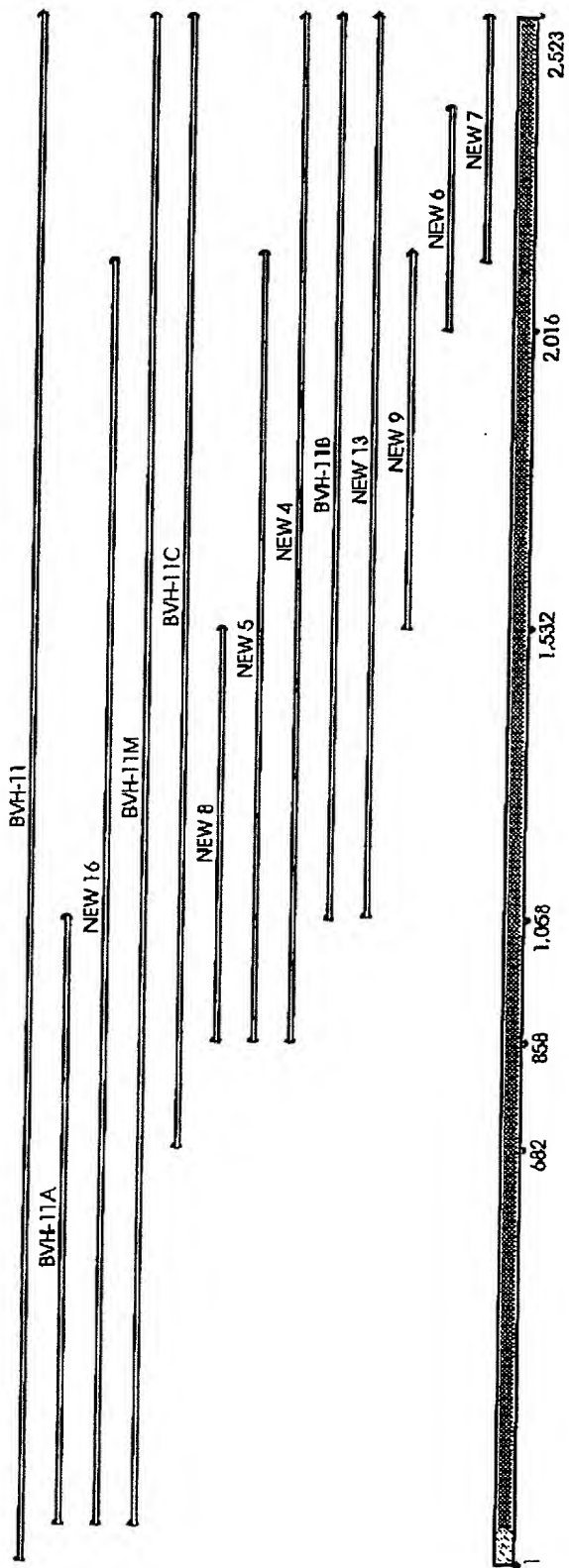
Figure 24

NOTES: 1. ALL DIMENSIONS ARE IN FEET AND INCHES. 2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED. 3. ALL DIMENSIONS ARE TO BE VERIFIED BY THE CONTRACTOR.



5 FIGURE 25

12/22



5 FIGURE 26

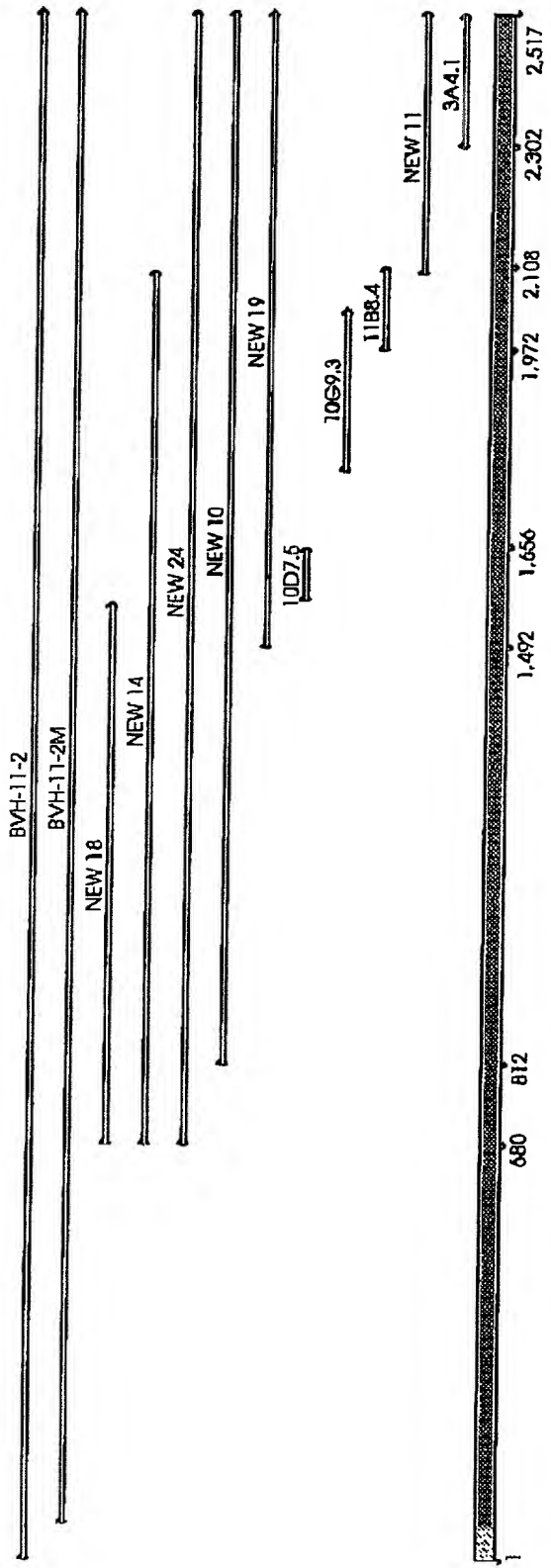


FIGURE 27

## Epitope Localization on BVH-3 Protein

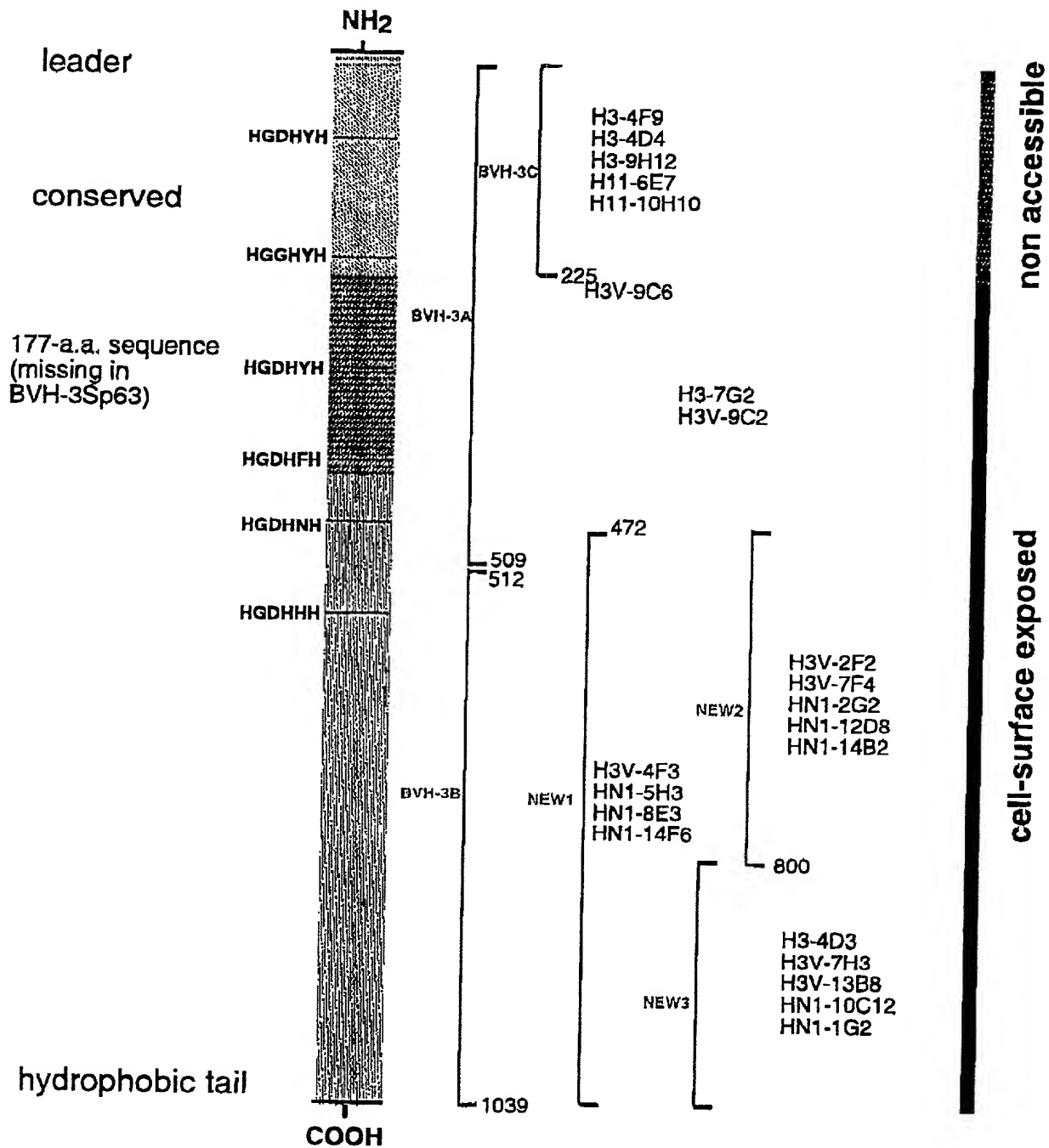
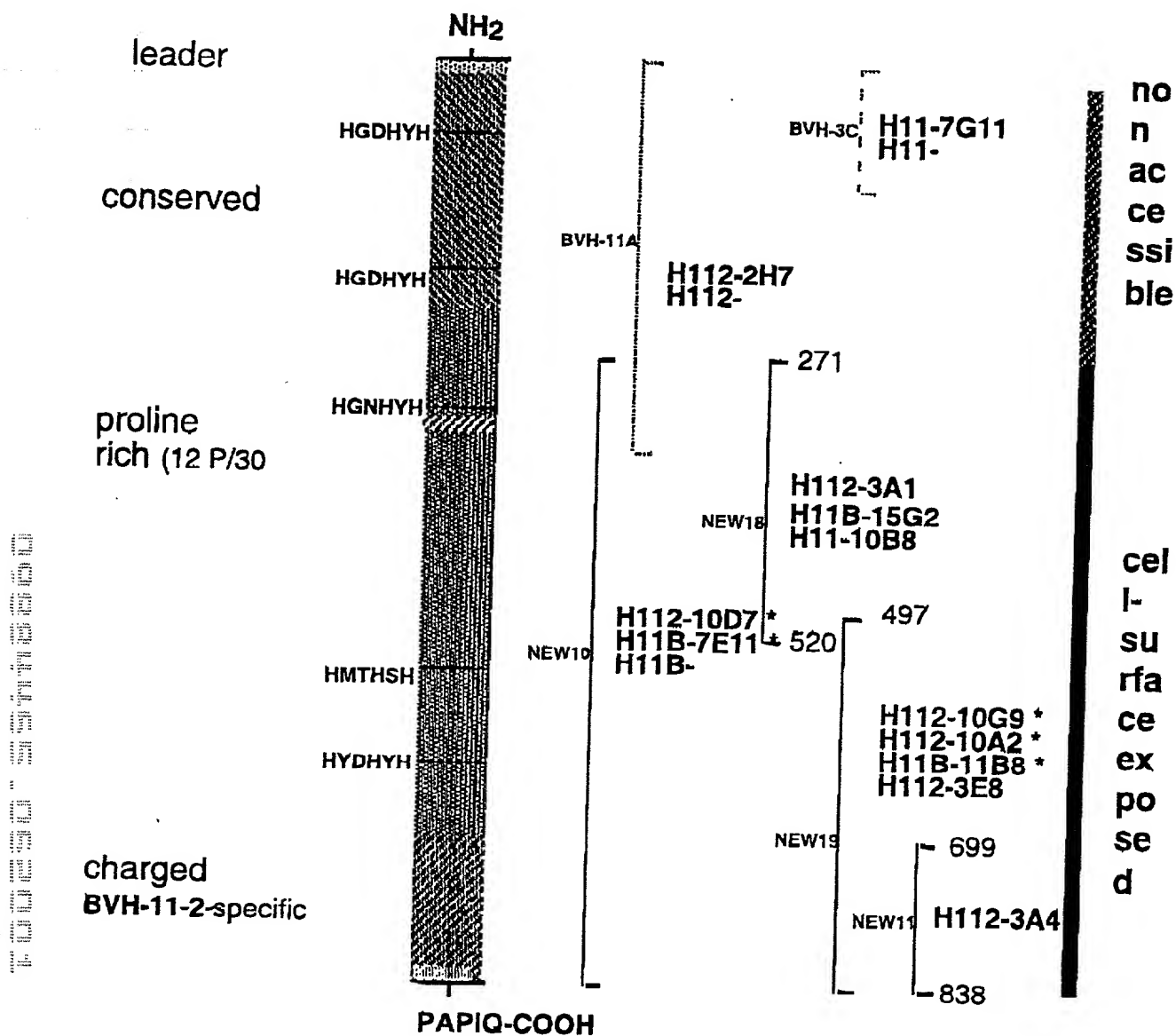


FIGURE 28

# Epitope Localization on BVH-11-2 Protein



\* Surface-exposed and protection-conferring Mabs

FIGURE 29



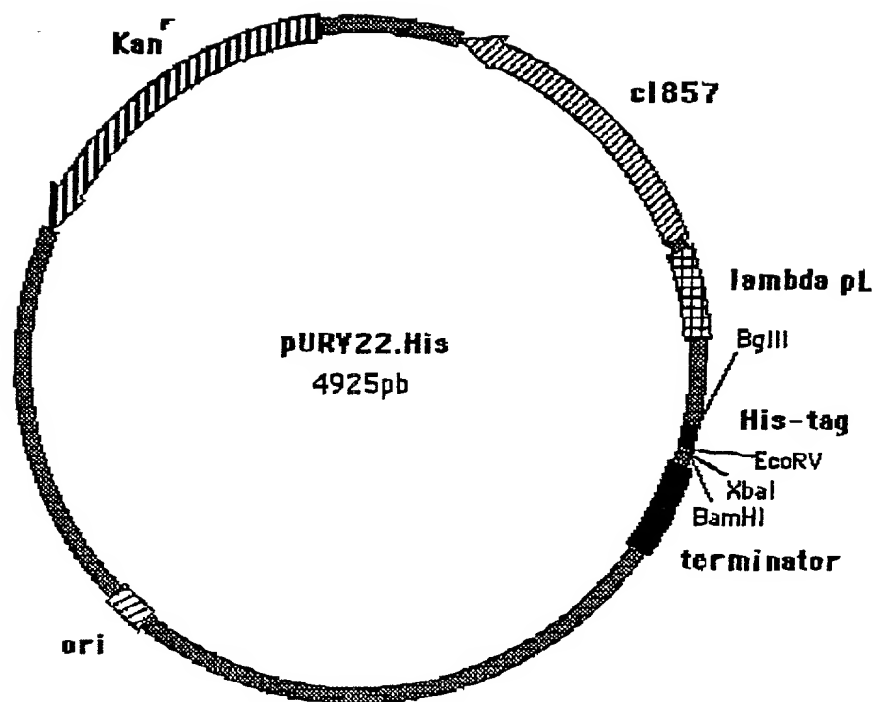


FIGURE 30

	BVH-3M	1	CAYALNQHRSQENKDNMRVSYVDGSQSSQKSENLTDPQVSQKEGIQAEQIVIKITDQGYV	60
5	BVH3-63	1	CAYALNQHRSQENKDNMRVSYVDGSQSSQKSENLTDPQVSQKEGIQAEQIVIKITDQGYV	60
			*****	
	BVH-3M	61	TSHGDHYHYNGKVPYDALFSEELLMKDPNYQLKDADIVNEVKGGYIIKVDGKYYVYLKD	120
10	BVH3-63	61	TSHGDHYHYNGKVPYDALFSEELLMKDPNYQLKDADIVNEVKGGYIIKVDGKYYVYLKD	120
			*****	
	BVH-3M	121	AAHADNVRTKDEINRQKQEHVKDNEKVNNAVAVARSQGRYTTNDGYVFNPAIIEDTGNA	180
	BVH3-63	121	AAHADNVRTKDEINRQKQEHVKDNEKVNNAVAVARSQGRYTTNDGYVFNPAIIEDTGNA	180
			*****	
15	BVH-3M	181	YIVPHGGHYHYIPKSDLASSELAAKAHLAGKNMQPSQLSYSSSTASDNNTQSVAKGSTSK	240
	BVH3-63	181	YIVPHGGHYHYIPKSDLASSELAAKAHLAGKNMQPSQLSYSS-----	223
			*****	
20	BVH-3M	241	PANKSENLOQLLKELYDSPSAQRYSESGLVFDPAKIIISRTPNGVAIPHGDHYHFIPYSK	300
	BVH3-63	224	-----	223
25	BVH-3M	301	LSALEEKIARMVPISGTGSTVSTNAKPNEVWSSLSLSSNPSSLTTSKELSSASDGYIFN	360
	BVH3-63	224	-----	223
30	BVH-3M	361	PKDIVEETATAYIVRHGDHFIHYIPKSNQIGOPTLPNNSLATPSPSLPINPGTSHEKHEED	420
	BVH3-63	224	-----TPSPSLPINPGTSHEKHEED	243
			*****	
	BVH-3M	421	GYGFDANRIIAEDES GFVMSHGDHNYFFKKDLTEEQIKAAQKHLEEVKTSHNGLDSLSS	480
	BVH3-63	244	GYGFDANRIIAEDES GFVMSHGDHNYFFKKDLTEEQIKAAQKHLEEVKTSHNGLDSLSS	303
			*****	
35	BVH-3M	481	HEQDYPGNAKEMKDLDKKIEEKIAGIMKQYGVKRESIVVNKEKNAIYPHGDHHHADPID	540
	BVH3-63	304	HEQDYPSNAKEMKDLDKKIEEKIAGIMKQYGVKRESIVVNKEKNAIYPHGDHHHADPID	363
			*****	
40	BVH-3M	541	EHKPVGIGHSHSNYELFKPEEGVAKKEGNKVYTGEELTNVVNLLKNSTFNNQNFTLANGQ	600
	BVH3-63	364	EHKPVGIGHSHSNYELFKPEEGVAKKEGNKVYTGEELTNVVNLLKNSTFNNQNFTLANGQ	423
			*****	
	BVH-3M	601	KRVSFSPPELEKKLGINMLVKLITPDGKVLEKVS GKFGEVGNIANFELDQPYLPGQT	660
45	BVH3-63	424	KRVSFSPPELEKKLGINMLVKLITPDGKVLEKVS GKFGEVGNIANFELDQPYLPGQT	483

BVH-3M 661 FKYTIASKDYPEVSYDGTFTVPTSLAYKMASQTI FYPFHAGDTYLRVNPQFAVPKGTDAL 720  
 BVH3-63 484 FKYTIASKDYPEVSYDGTFTVPTSLAYKMASQTI FYPFHAGDTYLRVNPQFAVPKGTDAL 543  
 \*\*\*\*\*

BVH-3M	721	VRVFDEFHGNAYLENNYKVGEIKLPIPKLNQGTTRTAGNKIPVTFMANAYLDNQSTYIVE	780
BVH3-63	544	VRVFDEFHGNAYLENNYKVGEIKLPIPKLNQGTTRTAGNKIPVTFMANAYLDNQSTYIVE	603
*****			

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BVH-3M      781  VPILEKENQTDKPSILPQFKRNKAQENSKLDEKVEEPKTSEKVEKEKLSETGNSTSNSTL      840
BVH3-63     604  VPILEKENQTDKPSILPQFKRNKAQENSKLDEKVEEPKTSEKVEKEKLSETGNSTSNSTL      663
*****

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BVH-3M      841  EEVPTVDFPVQEKVAKFAESYGMKLENVLFNMDGTIELYLPSGEVIKKNMADFTGEAPQGN      900
BVH3-63     664  EEVPTVDFPVQEKVAKFAESYGMKLENVLFNMDGTIELYLPSGEVIKKNMADFTGEAPQGN      723
*****

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BVH-3M	901	GENKPS	ENGKVS	TGTVEN	QPTENK	PADSLP	EAPNEK	PKPENST	DNGMLN	PEGNVG	SDPM	960
BVH3-63	724	GENKPS	ENGKVS	TGTVEN	QPTENK	PADSLP	EAPNEK	PKPENST	DNGMLN	PEGNVG	SDPM	783
*****												

BVH-3M	961	LDPAL EEAPAVDPVQEKLEKFTASYGLGLDSVIFNMDGTIELRLPSGEVIKKNLSDFIA	1019
BVH3-63	784	LDSAL EEAPAVDPVQEKLEKFTASYGLGLDSVIFNMDGTIELRLPSGEVIKKNLLIS	840
** *****			

BVH-3	1	MKFSKRYIAAGSAVIVSLSLCAYALNQHRSQENK-DNNRVSIVDGSQSSQKSENLTDPQV	59
BVH-11	1	MKINKKYLAG-SVATLVLSVCAYELGLHQAOQTVK-ENNRSYIDGKQATQKTENLTPEV	58
BVH-11-2	1	MKINKKYLAG-SVAVLALSVCSEYELGRHQAGQVKKESNRVSYIDGDQAGQKAENLTPEV	59
		**    ***   *   *       *   *   *   *       *       *       *       *       *	

BVH-3	60	SQKEG IQAEQIVIKITDQGYVTS	SHGDHYHYNGKVPYDALFSEELLMKDPNYQLKDADIV	119
BVH-11	59	SKREGINAEQIVIKITDQGYVTS	SHGDHYHYNGKVPYDAI ISEELLMKDPNYQLKDS DIV	118
BVH-11-2	60	SKREGINAEQIVIKITDQGYVTS	SHGDHYHYNGKVPYDAI ISEELLMKDPNYQLKDS DIV	119
		* * * * *		

BVH-3	120	NEVKGGYIIKVDGKYYVYLKDAAHADNVRTKDEINRQKQEHVKDNE----	KVNSNVAVAR	175
BVH-11	119	NEIKGGYVIKVGNGKYYVYLKDAAHADNVRTKEEINRQKQEHSHQREGGTSANDGAVAFAR		178
BVH-11-2	120	NEIKGGYVIKVDGKYYVYLKDAAHADNIRTKEEIKRQKQEHSHNH--	SRADNAVAAAR	176
		** ***** **		

BVH-3	176	SQGRYTTNDGYVFNPAIIEDTGNAYIVPHGGHYHYIPKSDLSASELAAAKAHLAGKNMQ	235
BVH-11	179	SQGRYTTDDGYIFNASDIIEDTGDAYIVPHGDHYHYIPKNELSAELAAAEAFLSGRENL	238
BVH-11-2	177	AQGRYTTDDGYIFNASDIIEDTGDAYIVPHGDHYHYIPKNELSAELAAAEAYWNGKQ--	234
5		.***** ***,** .***** ***** ***** .***** * *	
BVH-3	236	PSQLSYSSTASDNNTQSVAKGSTSKP-----A-N-----KSENLOSLKELYDSP	279
BVH-11	239	SNLRTYRRQNSDNTFRTNWVPSVSNPGTTNTNTSNNSNTNSQASQSNDIDSLLKQLYKLP	298
BVH-11-2	235	-GSRPSSSSSYNANPVQPRLESENHNLTVTPTYHQN-----QGENISSLLRELYAKP	284
10		* . . . ****.*** *	
BVH-3	280	SAQRYSESDGLVFDPAKIIISRTPNGVAIPHGDHYHFIPYSKLSALEEKIARMVPISGTGS	339
BVH-11	299	LSQRHVESDGLIFDPAQITSRTARGVAVPHGNHYHFIPYEQMSELEKRIARIIPLYRSN	358
BVH-11-2	285	LSEHVESDGLIFDPAQITSRTARGVAVPHGNHYHFIPYEQMSELEKRIARIIPLYRSN	344
15		..* *****.****.* *** ****.*** ***** ..* ** .****..*.	
BVH-3	340	TVSTNAKPNEVVSSLGSLSSNPSSLTTSKELSSASDGYIFNPKDIVEETATAYIVRHGDH	399
BVH-11	359	HWVPDSRP-EEPSPOFTPEPSPS-PQPAPNPQPAPS----NP--IDEKLVKEAVRKVGDG	410
BVH-11-2	345	HWVPDSRP-EQPSPQSTPEPSPS-LQPAPNPQPAPS----NP--IDEKLVKEAVRKVGDG	396
20		..* * * . ** . * ** * * . . **	
BVH-3	400	FHYIPKSNQIGQPTLPNNSLATPSPSLPINPGTSHEKHEDGYGFDANRIIAEDES GFVM	459
BVH-11	411	YVFEE-----NGVSRYP-----AKNLSAETAAGIDSKLAKQESLS-----	446
BVH-11-2	397	YVFEE-----NGVSRYP-----AKDLSAETAAGIDSKLAKQESLS-----	432
25		.. * .. * .. * * * . * *	
BVH-3	460	SHGDHNHYFFKKDLTEEQIKAAQKHL EEVKTS HNGLDLSLSSHEQDYPGNAKEMKDLDKKI	519
BVH-11	447	----HKLGAKKTDLPSSDREFYNKAYDLLARIHQDLLDNKGRQVDFEALDNLLERLKDVS	502
BVH-11-2	433	----HKLGAKKTDLPSSDREFYNKAYDLLARIHQDLLDNKGRQVDFEVLNLLERLKDVS	488
30		* * * * . * . . * . * . . * . *	
BVH-3	520	EEKIAGIMKQYGVKRESIVNKEKNATIIYPHGDHHPIDEHKPVGIGHSHSNYELFKP	579
BVH-11	503	SDKVKLVDDILAF LAP--IRHPER--LGKPN AQITYTDD EIQVAKLAGKYTTEDGYIFDP	558
BVH-11-2	489	SDKVKLVDDILAF LAP--IRHPER--LGKPN AQITYTDD EIQVAKLAGKYTTEDGYIFDP	544
35		..* . . . * . . * . * . . . * *	
BVH-3	580	EEGVAKKEGKNKVYTGEELTNVVNLLKNSTFNNQNFTLANGQKRVSFSFPPELEKKLGINM	639
BVH-11	559	RD-ITSDEGD-AYVTPHMTSHSHWIKKDS-LSEAERAAAQAYAKEKGLTPPSTDHQB----	611
BVH-11-2	545	RD-ITSDEGD-AYVTPHMTSHSHWIKKDS-LSEAERAAAQAYAKEKGLTPPSTDHQB----	597
40		.. . ** * . * . . * * . * . ** . . .	
BVH-3	640	LVKLITPDGKVLEKVS GKVFGEGVGNIANFELDQPYLPGQTFKYTIASKDYPEVSYDGTGTF	699
BVH-11	612	-----SGNTEAKGA EAIYNRVKAAKKVPLDRMPYNLQ---YTVEVKNGSL	653
BVH-11-2	598	-----SGNTEAKGA EAIYNRVKAAKKVPLDRMPYNLQ---YTVEVKNGSL	639
45		*** * * * . * * . * *	

	BVH-3	700	TVPTSLAYKMASQTIFYPFHAGDTYLVRNPQFAVPKGTDALVRVFDEFHGNAYLENNYKV	759
	BVH-11	654	IIP---HYDHYHNIKFEWFDEG-----LYEAPKG-----YTLEDLLAT	688
	BVH-11-2	640	IIP---HYDHYHNIKFEWFDEG-----LYEAPKG-----YSLEDLLAT	674
5			. * * * * . *** **	
	BVH-3	760	GEIKLPIPKLNQGTTRTAGNKIPVTFMANAYLDNQSTYIVEVPILEKENQTDKPSILPQF	819
10	BVH-11	689	VKYYVEHPNERPHSDNGFGN-----ASDHVQRN-----KNGQADTN-----	724
	BVH-11-2	675	VKYYVEHPNERPHSDNGFGN-----ASDHVRKN-----KADQDSKP-----	710
			. * . ** * . * *	
	BVH-3	820	KRNKAQENSKLDEKVEEPTSEKVEKEKLSETGNSTSNSTLEEVPTVDFVQEKVAKFAES	879
15	BVH-11	725	-----QTEKPSEEKPTTEKPE---EE-----	742
	BVH-11-2	711	-----DEDKEHDEVSEPTHPESDEKE-----	731
			* . . * *	
	BVH-3	880	YGMKLENVLFNMDGTIELYLPSEGEVIKKNMADFTGEAPOGNGENKPSSENGKVSTGTVENQ	939
20	BVH-11	743	-----TPREEKPQSE---KPES-----PK	758
	BVH-11-2	732	-----NHAGLNPSADNLYKPSTD-----TE	751
			* **	
25	BVH-3	940	PTENKPADSLPEAPNEKPVKPNSTDNMGLNPEGNVGSDPMLDPALEEAPAVDPVQEKLE	999
	BVH-11	759	PTEEPEEESPEES---EEPQVETEKVEEKLREAEDLLGK---IQDPIIKSN---AKETLT	809
	BVH-11-2	752	ETEEEAEDTTDEA---EIQVENSVINAKIADAEALLEK---VTDPSIRQN---AMETLT	802
			** . . * * * . * . ** . * *	
30	BVH-3	1000	KFTASYGLGLDSVIFNMDGTIELRLPSGEVIKKNLSDFIA	1039
	BVH-11	810	GLKNNLLFGTQ-----DNNTIMAEAEKLLALLKESK	840
	BVH-11-2	803	GLKSSLLLGTK-----DNNTISAEVDSLLALLKESQFAPIQ	838
			* ** . *	

35 FIGURE 32

1 ATGCAAATTA CCTACACTGA TGATGAGATT CAGGTAGCCA AGTTGGCAGG CAAGTACACA  
 61 ACAGAAGACG GTTATATCTT TGATACTAGT TGGATTAAAA AAGATAGTTT GTCTGAAGCT  
 121 GAGAGAGCGG CAGCCCAGGC TTATGCTAAA GAGAAAGGTT TGACCCCTCC TTCGACAGAC  
 181 CACCAGGATT CAGGAAATAC TGAGGCAAAA GGAGCAGAAG CTATCTACAA CCGCGTGAAA  
 241 GCAGCTAAGA AGGTGCCACT TGATCGTATG CCTTACAATC TTCAGTATAC TGTAGAAGTC  
 301 AAAAACGGTA GTTTAATCAT ACCTCATTAT GACCATTACC ATAACATCAA ATTTGAGTGG  
 361 TTTGACGAAG GCCTTTATGA GGCACCTAAG GGGTATAGTC TTGAGGATCT TTTGGCGACT  
 421 GTCAAGTACT ATGTCGAACC GCGGAACGCT AGTGACCATG TTCGTAAAAA TAAGGCAGAC  
 481 CAAGATAGTA AACCTGATGA AGATAAGGAA CATGATGAAG TAAGTGAGCC AACTCACCTT  
 541 GAATCTGATG AAAAAGAGAA TCACGCTGGT TTAAATCCTT CAGCAGATAA TCTTTATAAA  
 601 CCAAGCACTG ATACGGAAGA GACAGAGGAA GAAGCTGAAG ATACCACAGA TGAGGCTGAA  
 661 ATTCCTGGTA CCCCTAGTAT TAGACAAAAT GCTATGGAGA CATTGACTGG TCTAAAAAGT  
 721 AGTCTTCTTC TCGGAACGAA AGATAATAAC ACTATTTCAG CAGAAGTAGA TAGTCTCTTG  
 781 GCTTTGTTAA AAGAAAGTCA ACCGGCTCCT ATACAGTAG (SEQ ID NO: 257)

FIGURE 33

1 MQITYTDDDEI QVAKLAGKYT TEDGYIFDTS WIKKDSLSEA ERAAAQAYAK EKGLTPPSTD  
 61 HQDSGNTEAK GAEAIYNRVK AAKKVPLDRM PYNLQYTVFV KNGSLIIPHY DHYHNKFEW  
 121 FDEGLYEAPK GYSLEDLLAT VKYYVEPRNA SDHVRKNKAD QDSKPDEDKE HDEVSEPTHP  
 181 ESDEKENHAG LNPSADNLYK PSTDTEETEE EAEDTTDEAE IPGTPSIRQN AMETLTGLKS  
 241 SLLLGTKDNN TISAEVDSL L ALLKESQPAP IQ (SEQ ID NO : 258)

FIGURE 34